IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for performing ~~In a~~ multi-carrier CDMA transmission, comprising: ~~system that reproduces~~

reproducing data symbols;[[,]]

~~aligns~~ aligning the reproduced data symbols along a frequency axis;[[,]]

multiplying ~~multiplies~~ the reproduced data symbols by a spreading code; ~~and~~

~~performs~~ performing multiplex transmission of the multiplied data using a plurality of sub-carriers of different frequencies;[[,]] and

~~a signal format of a transmission signal used when~~ inserting, into the transmitted data, a pilot symbol for estimating a variation of a channel and performing synchronous detection, the pilot symbol comprising ~~the pilot symbol including:~~ a common pilot symbol for the purpose of estimating a channel common to each user,[[;]] and a user-specific pilot symbol that performs communication in a channel different from the ~~above described~~ channel common to each user, wherein

the pilot symbols are orthogonal on the spread frequency axis, and pilot symbol sequences are orthogonal on a time axis.

Claim 2 (Currently Amended): The method of ~~multi-carrier CDMA transmission system signal format as claimed in~~ claim 1, wherein all or some of the plurality of sub-carriers used in signal transmission are used as sub-carriers when spreading the pilot symbol along a frequency axis.

Claim 3 (Canceled).

Claim 4 (Currently Amended): ~~The multi-carrier CDMA transmission system signal format as claimed in claim 1, wherein:~~

A method for performing multi-carrier CDMA transmission, comprising:

reproducing data symbols;

aligning the reproduced data symbols along a frequency axis;

multiplying the reproduced data symbols by a spreading code;

performing multiplex transmission of the multiplied data using a plurality of sub-carriers of different frequencies; and

inserting, into the transmitted data, a pilot symbol for estimating a variation of a channel and performing synchronous detection, the pilot symbol comprising a common pilot symbol for the purpose of estimating a channel common to each user, and a user-specific pilot symbol that performs communication in a channel different from the channel common to each user, wherein

~~the signal~~ a format of the transmitted data allots some of the plurality of sub-carriers used in the signal transmission to the pilot symbols discretely along the frequency axis and inserts a symbol sequence that multiplexes the common pilot symbol and the user-specific ~~individual~~ pilot symbol using a spreading signal in a direction of the time axis into the sub-carriers allotted to the pilot symbols..

Claim 5 (Currently Amended): The method of ~~multi-carrier CDMA transmission system signal format as claimed in~~ claim 4, wherein the spreading code for the common pilot symbol and the spreading code for the specific pilot symbol are orthogonal.